

**We claim:**

1. A herbal composition to treat gastro-intestinal disorders, said composition comprising 5 to 10% by wt. of extract from *Mangifera indica*, 5 to 10% by wt. of *Cissampelos pareira* and 5 to 10% by wt. of *Cinnamomum* sp. *Buchanania lanzan* 5 to 10% optionally along with other pharmacologically acceptable binders, diluents and lubricants.
2. A herbal composition as claimed in claim 1, wherein the gastro-intestinal disorder is diarrhea, dysentery, gastric ulcer, duodenal ulcer, stomach ache, irritable bowel syndrome and anti-spasmodic.
3. A herbal composition as claimed in claim 1, wherein the said composition is synergistic mixture of plant extracts having high antioxidant, hepatoprotective, digestive, choleric, nervine relaxant and immuno-enhancing properties.
4. A herbal composition as claimed in claim 1, wherein the plant extracts are obtained from plant parts selected from root, seed and aerial parts.
5. A herbal composition as claimed in claim 1, wherein the extract of *Cissampelos pareira* is obtained from root.
6. A herbal composition as claimed in claim 1, wherein the extract of *Mangifera indica* is obtained from seed kernel.
7. A herbal composition as claimed in claim 1, wherein the extract of *Cinnamomum* sp. is obtained from leaves and bark.
8. A herbal composition as claimed in claim 1, wherein the extract of *Buchanania lanzan* is obtained from bark.
9. Herbal formulation(s) as claimed in claim 1 wherein the extracts of plants are 50% aqueous alcoholic extract.
10. A herbal composition as claimed in claim 1 wherein the said binder is selected from a group comprising starch, starch paste, gum acacia and carboxy methyl cellulose.
11. A herbal composition as claimed in claim 1 wherein the diluent used is lactose.
12. A herbal composition as claimed in claim 1 wherein the lubricants used are from starch and lactose.
13. A herbal composition as claimed in claim 1 wherein the 66.7% w/w sugar syrup is used as a vehicle.

14. A herbal composition as claimed in claim 1, wherein the said composition comprises about 15-50% wt of the total formulation.
15. A method of preparing a herbal composition as claimed in claim 1, wherein the said method comprising:
  - a. obtaining the part of medicinal plants from a group comprising leaves, bark, root and aerial parts;
  - b. drying the plant part of step (a);
  - c. powdering the dried plant material of step (b) to a coarse powder.
  - d. extracting the powdered dried plant material with at a temperature in the range of 25 to 35 °C;
  - e. extracting the plant material with the aqueous alcohol in the ratio of 1:8 to 1:15 for 4-7 days;
  - f. concentrating the obtained extract at under reduced pressure at a temperature in the range of 40-60 °C, and
  - g. obtaining the extract by lyophilising the concentrated extract for complete removal of solvent.
  - h. mixing the extract of *Mangifera indica*, *Cissampelos pareira*, *Buchanania lanzan* and *Cinnamomum* sp 5-15% by wt., along with other pharmacologically acceptable binders, diluents and lubricants to prepare the composition.
16. A process of preparation of herbal composition as claimed in claim 15, wherein the medicinal plants of step (a) are selected from a group comprising *Mangifera indica*, *Cissampelos pareira*, *Buchanania lanzan* and *Cinnamomum* sp.
17. A process as claimed in claim 15, wherein in step (b) the extraction is carried out by using 40-50% aqueous ethanol.
18. A process of preparation of herbal composition as claimed in claim 15, wherein the plant extracts are obtained: from plant *Mangifera indica*, *Cissampelos pareira* and *Cinnamomum* and the plant parts selected from root, seed and aerial parts.
19. A process of preparation of herbal composition as claimed in claim 15, wherein the extract of *Cissampelos pareira* is a root.

20. A process of preparation of herbal composition as claimed in claim 15, wherein the extract of *Mangifera indica* is a seed kernel.
21. A process of preparation of herbal composition as claimed in claim 15, wherein the extract of *Cinnamomum sp.* is leaves.
22. A process of preparation of herbal composition as claimed in claim 15, wherein in step (f) the extracts of plants are 50% aqueous alcoholic extract.
23. A process of preparation of herbal composition as claimed in claim 15, wherein in the step (h) the said binder is selected from a group comprising starch, starch paste, gum acacia and carboxy methyl cellulose.
24. A process of preparation of herbal composition as claimed in claim 15, wherein in the step (h) the diluent used is lactose.
25. A process of preparation of herbal composition as claimed in claim 15, wherein in the step (h) the lubricants used are from starch and lactose.
26. A process of preparation of herbal composition as claimed in claim 15, wherein the said composition comprises about 25-50% wt of the total formulation.
27. A method of treatment of gastro-intestinal disorder by administering a pharmaceutically acceptable amount to a subject in need thereof.
28. A method of treatment as claimed in claim 27, wherein the subject is mammals.
29. A method of treatment as claimed in claim 27, wherein said composition is applied as oral dosage selected from a group comprising syrup, tablet, capsule and powder.
30. A method of treatment as claimed in claim 27, wherein the applied dosage is 25 to 100 mg/kg in castor oil induced diarrhoea, which gives a % protection of 16.92 to 76.69.
31. A method of treatment as claimed in claim 27, wherein the applied dosage is 25 to 100 mg/kg in on castor oil-stimulated gastrointestinal transit, which gives a % curative ratio of 43.19 to 66.70.
32. A method of treatment as claimed in claim 27, wherein the applied dosage is 25 to 100 mg/kg in castor oil induced fluid accumulation, wherein the fluid accumulation is reduced to  $2.14 \pm 0.34$  to  $1.12 \pm 0.10$ .

33. A method of treatment as claimed in claim 27, wherein the applied dosage is 25 to 100 mg/kg in castor oil induced fluid accumulation, wherein the concentration of sodium is reduced to  $151.6 \pm 9.6$  to  $105.4 \pm 06.9$ .
34. A method of treatment as claimed in claim 27, wherein the applied dosage is 25 to 100 mg/kg in castor oil induced fluid accumulation, wherein the concentration of potassium is reduced to  $6.4 \pm 0.71$  to  $5.6 \pm 0.31$ .
35. A method of treatment as claimed in claim 27, wherein the applied dosage of 25 to 100 mg/kg in indomethacin induced acute gastric ulcers results in the protection percentage of 27.03 to 75.38 % and significant increase in gastric wall mucus.
36. A method of treatment as claimed in claim 27, wherein the applied dosage of 25 to 100 mg/kg in cysteamine induced duodenal ulcers shows 41.7 to 90.2 incidence (treated) when compared to 80 % incidence of ulcers in control.
37. A method of treatment as claimed in claim 27, wherein the composition immediately relieves the acidity of the stomach by neutralizing the excess acid.